

DEVAL L, PATRICK GOVERNOR

TIMOTHY P. MURRAY LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD SECRETARY

JOHN AUERBACH COMMISSIONER

The Commonwealth of Massachusetts

Executive Office of Health and Human Services
Department of Public Health
William A. Hinton State Laboratory Institute
305 South Street, Jamaica Plain, MA 02130
617-983-6622

10/07/11

Christopher Henry Legal Assistant of Suffolk County District Attorney's Office

Dear Mr. Henry,

Enclosed are copies of the information you requested regarding sample numbers in the following:

- 1. Drug Analysis Laboratory Receipt.
- 2. Curriculum Vitae for Daniela Frasca and Annie Khan (Dookhan).
- 3. Control Cards with Analytical Results for sample numbers through B10-06710.

- 4. Analysis Notation Forms for the above sample numbers.
- 5. GC-MS Raw Data Sheets for the above sample numbers.

GC-MS confirmatory testing was performed by Annie Khan (Dookhan). All other testing was performed by Daniela Frasca. If you have any questions or concerns about these facts, please contact me at the number below.

Sincerely,

Daniela Frasca Chemist II

Drug Laboratory 617 983-6631

fax: 617 983-6625

PLEASE PRINT CLEARLY OR TYPE ALL INFORMATION

The Commonwealth of Massachusetts Executive Office of Health and Human Services

Department of Public Health

Boston Drug Laboratory Tel (617) 983-6622 Fax (617) 983-6625

State Laboratory Institute

Amherst Drug Laboratory Tel (413) 545-2601 Fax (413) 545-2608

Boston Hours

8:00 - 11:00

2:00-4:00

DRUG RECEIPT

Amherst Hours

9:00 - 12:00

1:00-3:00

City or Department: WESSA	Police Reference No.:	W. Brizuel
Defendant(s) Name (last, first, initial):		
To be completed by Submitter Description of Items Submitted	To be completed b	by Lab Personnel Lab Number
Le Bourses W/p Rack	6,77 gr	
1 MED. BAG W/P ROCK	6,77 gr 7,05 gm 5,96 gm	
1 Fold WIP	5.96 gm	
·		
Received by:	Date:	6-9-10

Daniela Frasca

Education

Boston University School of Medicine, Boston MA

Currently enrolled in the Biomedical Forensic Science MS Program

Suffolk University, Boston, MA

Graduated in 05/1996 and received a Bachelor of Science in Biochemistry

EXPERIENCE

Massachusetts State Laboratory Institute/DPH, Jamaica Plain, MA 01/2001 - present Drug Laboratory: Chemist II

- Analysis of all substances by chemical screening, microscopy, and instrument confirmation to determine the presence of drugs for law enforcement agencies in the Commonwealth of Massachusetts.
- Appointed assistant analyst on January 29, 2001 by the Assistant Commissioner of DPH
- Completed four weeks of training in drug analysis under the supervision of senior chemists.

Quest Diagnostics Incorporated, Cambridge, MA

09/1996 - 10/2001

Department of Toxicology: Medical Technologist I

- Handles comprehensive toxic analysis, therapeutic drug monitoring, forensic drug screening, and compound ID's of biohazard samples utilizing standard operating procedures in clinical toxicology.
- Entered data and interpreted results for reporting
- QC/QA of multiple analytical instrumentation as well as maintenance
- Completed 60 days of training under the supervision of doctorate level toxicologists.

Additional Training

Northeastern Association of Forensic Scientists

Designer Drugs

Clandestine labs

Agilent Instruments and Software

Digital Photography

McCrone Research Institute

Forensic Polarized Microscopy

Polarized Microscopy of Illicit Drugs and Excipients

Massachusetts State Laboratory Institute

Expert Witness

Raman Spectroscopy

Associations and Programs

	Northeastern Association of Forensic Scientists (NEAFS)	2001 - present
	The International Association of Forensic Toxicologists (TIAFT)	2003 - present
•	The International Association of Therapeutic Drug Monitoring And Clinical Toxicology (IATDMCT)	2003 - present
	Massachusetts State Science Fair Judge	2000 - present
	Middle School State Science Fair Judge	2006 - present
•	Volunteer Science Project Mentor/Tutor for the TTT Mentor Program	2003 - present

Folk_OIG_PRR_052721

Curriculum Vitae

Annie Khan (Dookhan)

Education:

University of Massachusetts, Boston, Ma, Master of Science in Chemistry. University of Massachusetts, Boston, Ma, Bachelor of Science in Biochemistry.

Experience:

2003 - present

Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

- *Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.
- *Appointed Assistant Analyst by Assistant Commissioner of Public Health, 2004.
- *Responsible for the identification of illicit drugs to determine violations of harmful and narcotic drug laws.
- *Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.
- *Maintenance and repairs of all analytical instruments.
- *Responsible for the Quality Control of all analytical instruments, reagents and controls/standards.
- * Responsible for the Quality Control/Quality Assurance program for the drug lab.
- *Notary Public.
- *Qualified as an expert witness in Massachusetts Courts and U.S. District Court

2001 - 2003

OC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

- *Completed proficiency training conducted by a member of the staff within the MLB Quality Control and Quality Assurance Department.
- *Method Development for creating new techniques and enhancing vaccines for the QC Dept. and FDA.
- *Writing, revising and reviewing Standard Operating Procedures (SOPs).
- *Trained and supervised new chemists and interns for the department.
- *Routine QC testing of products for the FDA.
- *Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.
- *Calibration, preventive maintenance, QC and QA of analytical instrumentation.
- *Complete testing of chemicals for Vendor Validation Project for the FDA.
- *Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

Additional Training:

Dept. of Justice - Forensics Professionals. (numerous trainings)

GLP/GMP course with Massachusetts Biologic Laboratory.

QC/QA training according to FDA Codes and Regulations.

GC and GC/MS courses with Agilent Technologies and Restek.

HPLC course with Waters Cooperation.

FTIR course with Spectros.

TOC training with MBL and Sievers.

Association:

American Chemical Society (ACS)

Northeastern Association of Forensics Science (NEAFS)

o. Date Analyzed: 08-30-(0

City: Chelsea Police Dept.

Officer: Detective BRIZUELA

Def: Amount:

Subst: SUB

No. Cont:

6 Cont: pb

Date Rec'd: 06/09/2010

No. Analyzed: /

Gross Wt.:

6.77

Net Weight: 0, 08

andhad #Tests:

Prelim: Coso he

Findings:

دصوصرمو

No.

Date Analyzed: 08-30-10

City: Chelsea Police Dept.
Officer: Detective BRIZUELA

Def:

Amount:

Cont: pb

Date Rec'd: 06/09/2010

Oone po

Gross Wt.:

No. Cont:

7.05

No. Analyzed:

Net Weight: $2./2_9$

Subst: SUB

Tests:

20

Prelim: Cocalne

Findings: LOCALIDE

Nο

Date Analyzed O 8 ~ 3 つー いつ

Subst: SUB

City: Chelsea Police Dept.

Officer: Detective BRIZUELA

5.96

Def:

Amount:

Cont: paper fold

No. Cont:

1 Cont: pag

Date Rec'd: 06/09/2010

No. Analyzed:

Gross Wt.:

Net Weight: 0, a

41 T - - t - .

Prelim:

Findings:

cocarro

DRUG POWDER ANALYS	IS FORM	
SAMPLE # AGEN	cr <u>Chalsad</u>	ANALYST ON
PHYSICAL DESCRIPTION:	PBIS IN PIS	Ev. mak
		Tessen
Jubstanc	e In 6 PB	<u> </u>
Marg -	6	ns m 1,2293
Proced -		
Mack -	l a	indyzed: 0,1905g
Cabalt-	- twant	
Gold +	1 an	mot adjud! 0.08039
TRTA-		
		,
		ei.
PRELIMINARY TEST RESULTS	<u>GC/MS CON</u>	FIRMATORY TEST
RESULTS COCAME	RESULTS	Cocame
DATE 8/25/10	MS Aloperator _	1350
	DATE	8/30/10

Folk_OIG_PRR_052724

DRUG POWDER ANALYSIS FORM AGENCY Chelsed ANALYST DE SAMPLE # PHYSICAL DESCRIPTION: Tessed Er. mak Substance in 1 open PB [danble bagged), same spilt out in evidence bag] Gross W. 2. 46249 Marg freed -Norum 2.12/09 Meck-Cobalt -, tyacid Gold +

PRELIMINARY TEST RESULTS

RESULTS Cocame

TLTA -, + Marid

DATE 8/25/10

GC/MS CONFIRMATORY TEST

RESULTS Cocame

MS DERATOR DSD

DATE 6/30/10

SAMPLE #	AGENCY	SSON ANAL	YST DID	
OH <u>YSICAL DE</u>	SCRIPTION:		Ev. Ma	k Tesad
	Substance , Shaped card sta	in paper	foted (abla	ng
	Marg - Proced -		255 MM 1, 40	
	Meck - Cobalt -, +		m. 0, a 3	62,
	Gold +			
÷ ,	TITA - +1/2	<i>वि</i> ह्य	ĸ ·	
	•			

DRUG POWDER ANALYSIS FORM

PRELIMINARY TEST RESULTS

RESULTS COONE

DATE \$\frac{\frac{5}{25}/10}{\frac{5}{25}/10}

PRELIMINARY TEST RESULTS

RESULTS COONE

MS

POPERATOR

DATE \$\frac{5}{30}/10}

File Name : C:\msdchem\1\data\SYSTEM6\08 27 10\740350.D

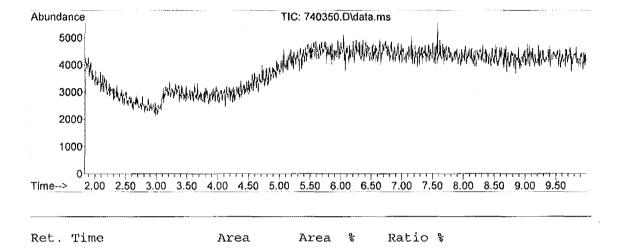
Operator : ASD

Date Acquired : 28 Aug 2010 4:25

Sample Name : BLANK

Submitted by

Vial Number : 2 AcquisitionMeth: DRUGS.M Integrator : RTE / pg



NO INTEGRATED PEAKS

: C:\msdchem\1\data\SYSTEM6\08 27 10\740351.D File Name

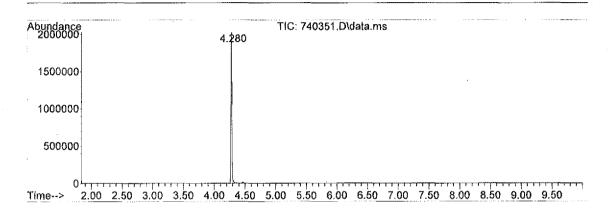
Operator : ASD

: 28 Aug 2010 : COCAINE STD Date Acquired 4:38

Sample Name

Submitted by

Vial Number 51 AcquisitionMeth: DRUGS.M Integrator : RTE



Ret. Time	Area	Area %	Ratio %
4.280	2103550		100.00

File Name : C:\msdchem\1\data\SYSTEM6\08 27 10\740351.D

Operator : ASD

Date Acquired : 28 Aug 2010 4:38

Sample Name : COCAINE STD

Submitted by

Vial Number : 51 AcquisitionMeth: DRUGS.M Integrator : RTE

Search Libraries: C:\Database\SLI.L

\Database\SLI.L Minimum Quality: 80 \Database\NIST08.L Minimum Quality: 80

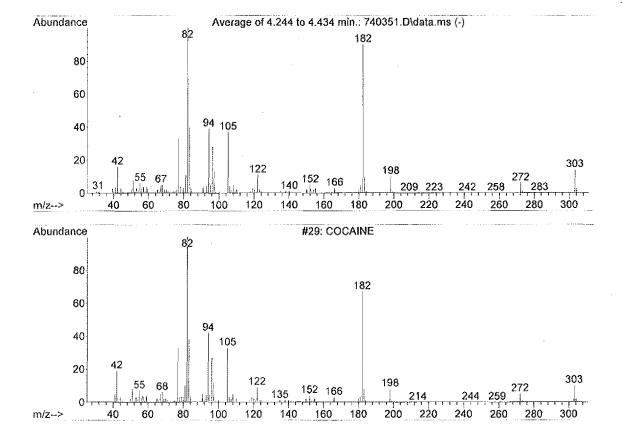
C:\Database\NIST08.L
C:\Database\PMW TOX2.L

PK# RT Library/ID CAS# Qual

1 4.28 C:\Database\SLI.L

COCAINE

000050-36-2 99

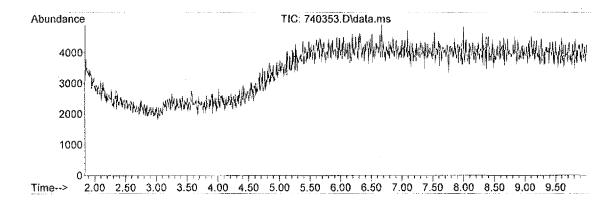


File Name : C:\msdchem\1\data\SYSTEM6\08_27_10\740353.D

Operator : ASD

Date Acquired : 28 Aug 2010 5:04

Sample Name : BLANK
Submitted by : DXF
Vial Number : 2
AcquisitionMeth: DRUGS.M
Integrator : RTE



Ret. Time

Area

Area

Ratio %

NO INTEGRATED PEAKS

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: C:\msdchem\1\data\SYSTEM6\08_27_10\740354.D File Name

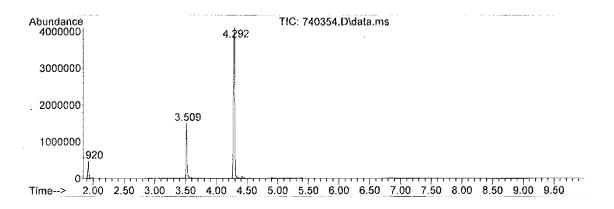
Operator : ASD

Date Acquired 28 Aug 2010 5:17

Sample Name

: DXF 54

Submitted by Vial Number AcquisitionMeth: DRUGS.M Integrator : RTE



Ret. Time	Area	Area %	Ratio %	
1.920	491161	5.76	7.74	
3.509	1684361	19.76	26.54	
4.292	6347561	74.47	100.00	

File Name : C:\msdchem\1\data\SYSTEM6\08_27_10\740354.D

Operator : ASD

Date Acquired : 28 Aug 2010 5:17

Sample Name :

Submitted by : DXF
Vial Number : 54
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L

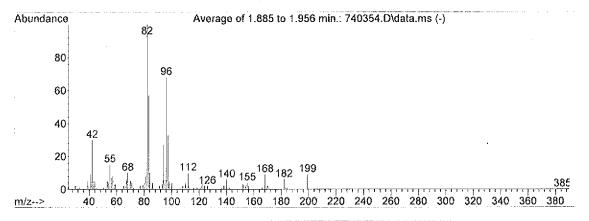
Minimum Quality: 80

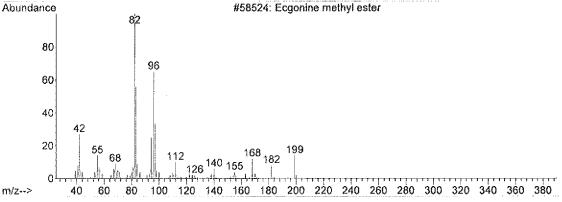
C:\Database\NIST08.L

Minimum Quality: 80

C:\Database\PMW_TOX2.L

PK#	RT	Library/ID		CAS#	Qual
1	1.92	C:\Database\NIST08.L Ecgonine methyl ester Pseudoecgonine methyl e Ecgonine methyl ester	ester	106293-60-1 099189-88-5 106293-60-1	98 97 97





File Name : C:\msdchem\1\data\SYSTEM6\08_27_10\740354.D

Operator : ASD

Date Acquired : 28 Aug 2010 5:17

Sample Name : Submitted by : Vial Number :

: DXF : 54 : DRUGS.M

AcquisitionMeth: DRUGS.M Integrator : RTE

Search Libraries: C:\Database\SLI.L

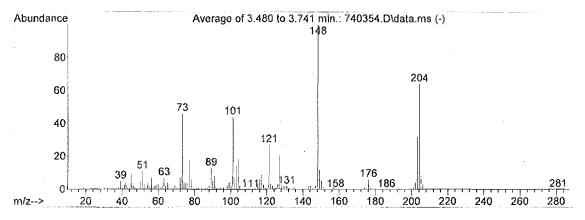
SLI.L Minimum Quality: 80

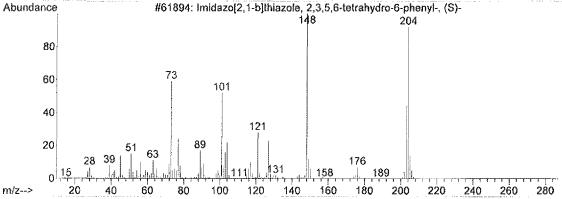
C:\Database\NIST08.L

Minimum Quality: 80

C:\Database\PMW_TOX2.L

PK#	K.7,	Library/ID		CAS#	Qual
2	3.51	C:\Database\NIST08.L Imidazo[2,1-b]thiazole.	2 3 5 6-tot	014769-73-4	99
		Levamisole	2,3,3,0~cec	006649-23-6	99
		Levamisole		006649-23-6	98





File Name : C:\msdchem\1\data\SYSTEM6\08 27 10\740354.D

Operator : ASD

Date Acquired : 28 Aug 2010 5:17

Sample Name :
Submitted by : DXF
Vial Number : 54
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80

C:\Database\NIST08.L

C:\Database\PMW TOX2.L

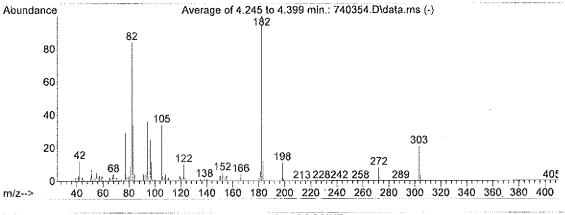
PK# RT Library/ID CAS# Qual

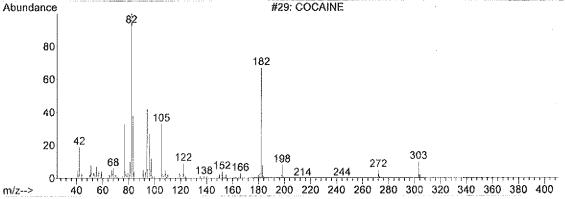
3 4.29 C:\Database\SLI.L

COCAINE

000050-36-2 99

Minimum Quality: 80



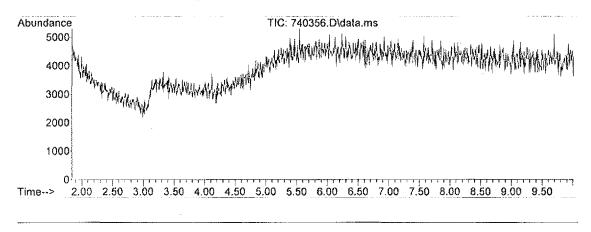


File Name : C:\msdchem\1\data\SYSTEM6\08 27 10\740356.D

Operator : ASD

Date Acquired : 28 Aug 2010 5:42

Sample Name : BLANK
Submitted by : DXF
Vial Number : 2
AcquisitionMeth: DRUGS.M
Integrator : RTE



Ret. Time

Area

Area %

Ratio %

NO INTEGRATED PEAKS

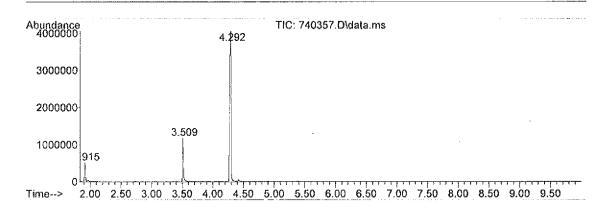
File Name : C:\msdchem\1\data\SYSTEM6\08 27 10\740357.D

Operator : ASD

Date Acquired : 28 Aug 2010 5:55

Sample Name :
Submitted by : DXF
Vial Number : 57
AcquisitionMeth: DRUGS.M

Integrator : RTE



Ret. Time	Area	Area %	Ratio %	
1.915	527111	6.46	8.22	
3.509	1218360	14.94	19.00	
4.292	6411155	78.60	100.00	

File Name : C:\msdchem\1\data\SYSTEM6\08 27 10\740357.D

Operator : ASD

Date Acquired : 28 Aug 2010 5:55

Sample Name Submitted by

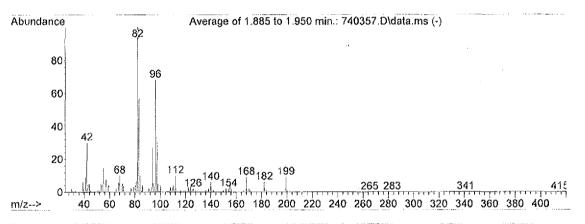
: DXF Vial Number 57 AcquisitionMeth: DRUGS.M Integrator : RTE

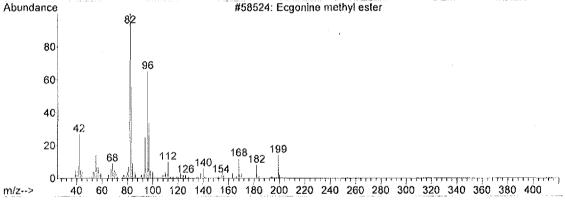
Search Libraries: C:\Database\SLI.L Minimum Quality: 80

C:\Database\NIST08.L Minimum Quality: 80

C:\Database\PMW TOX2.L

PK#	RT	Library/ID	CAS#	Qual
 1	1.91	C:\Database\NIST08.L		
		Ecgonine methyl ester	106293-60-1	98
		Ecgonine methyl ester	106293-60-1	97
		Ecgonine methyl ester	106293-60-1	97





File Name : C:\msdchem\1\data\SYSTEM6\08 27 10\740357.D

Operator : ASD

Date Acquired : 28 Aug 2010 5:55

Sample Name :

Submitted by : DXF
Vial Number : 57
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L

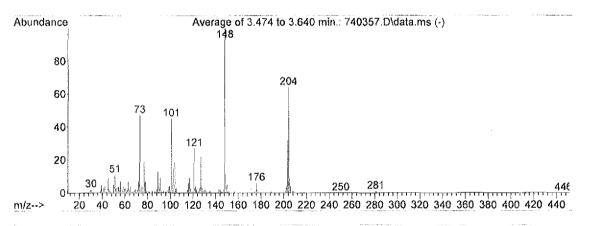
Minimum Quality: 80

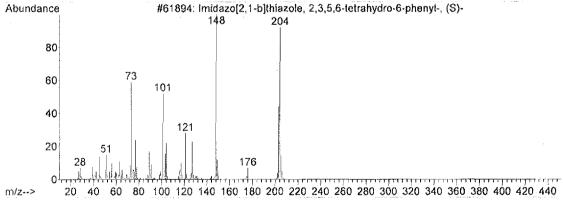
C:\Database\NIST08.L

Minimum Quality: 80

C:\Database\PMW_TOX2.L

PK#	RT	Library/ID		CAS#	Qual
2	3.51	C:\Database\NIST08.L		014860 80 4	0.0
		Imidazo[2,1-b]thiazole,	2,3,5,6-tet	014769-73-4	99
		Levamisole		006649-23-6	99
		Levamisole		006649-23-6	98





File Name : C:\msdchem\1\data\SYSTEM6\08 27 10\740357.D

Operator : ASD

Date Acquired : 28 Aug 2010 5:55

Sample Name

Submitted by DXF Vial Number 57 AcquisitionMeth: DRUGS.M Integrator : RTE

Search Libraries: C:\Database\SLI.L

Minimum Quality: 80 Minimum Quality: 80

C:\Database\NIST08.L

C:\Database\PMW TOX2.L

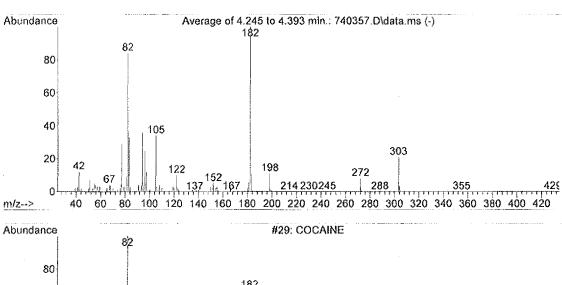
PK# RT Library/ID CAS# Qua1

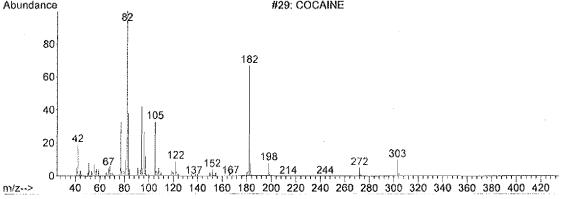
3 4.29 C:\Database\SLI.L

COCAINE

000050-36-2

99



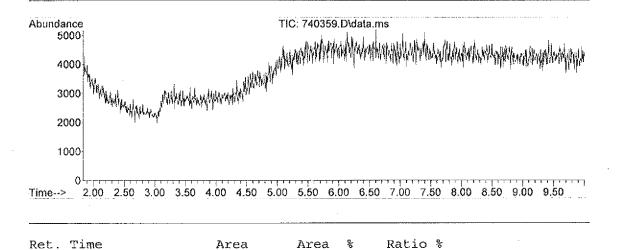


File Name : C:\msdchem\1\data\SYSTEM6\08 27 10\740359.D

Operator : ASD

Date Acquired : 28 Aug 2010 6:21

Sample Name : BLANK
Submitted by : DXF
Vial Number : 2
AcquisitionMeth: DRUGS.M
Integrator : RTE



NO INTEGRATED PEAKS

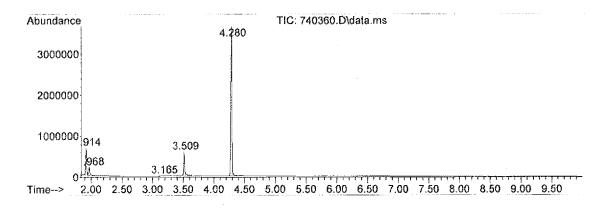
: C:\msdchem\1\data\SYSTEM6\08 27 10\740360.D File Name

Operator : ASD

Date Acquired : 28 Aug 2010 6:34

Sample Name

Submitted by : DXF Vial Number 60 AcquisitionMeth: DRUGS.M Integrator : RTE



Ret. Time	Area	Area %	Ratio %	
1.914	704026	11.00	15.36	
1.968	348190	5,44	7.60	
3,165	109674	1.71	2.39	
3.509	656300	10.25	14.32	
4.280	4583997	71.60	100.00	

File Name : C:\msdchem\1\data\SYSTEM6\08 27 10\740360.D

Operator : ASD

Date Acquired : 28 Aug 2010 6:34

RTE

Sample Name :
Submitted by : DXF
Vial Number : 60
AcquisitionMeth: DRUGS.M

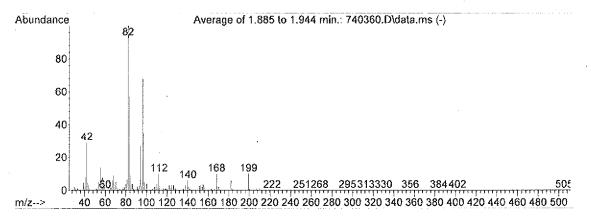
Integrator

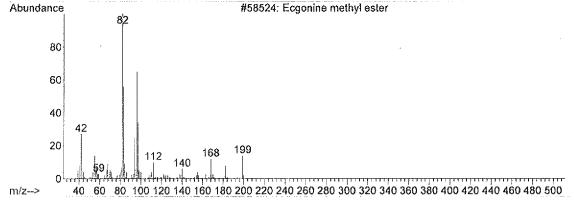
Search Libraries: C:\Database\SLI.L Minimum Quality: 80

C:\Database\NIST08.L Minimum Quality: 80

C:\Database\PMW TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	1.91	C:\Database\NIST08.L Ecgonine methyl ester Ecgonine methyl ester Ecgonine methyl ester	106293-60-1 106293-60-1 106293-60-1	98 98 95





File Name : C:\msdchem\1\data\SYSTEM6\08_27_10\740360.D

Operator : ASD

Date Acquired 28 Aug 2010 6:34

Sample Name

: DXF Submitted by Vial Number 60 AcquisitionMeth: DRUGS.M Integrator : RTE

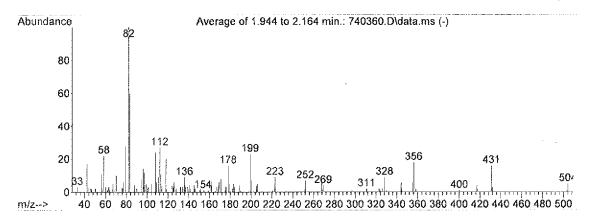
Search Libraries: C:\Database\SLI.L

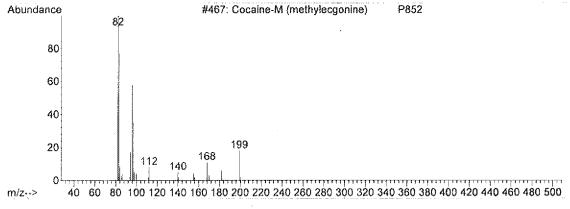
Minimum Quality: 80 Minimum Quality: 80

C:\Database\NIST08.L

C:\Database\PMW TOX2.L

PK#	RT	Library/ID	CAS#	Qual
2	1.97	C:\Database\PMW_TOX2.L Cocaine-M (methylecgonine)	007143-09-1	2
		Lorcainide Selegiline-M (nor-HO-) 2AC	059729-31-6	2





File Name : C:\msdchem\1\data\SYSTEM6\08_27_10\740360.D

Operator : ASD

Date Acquired : 28 Aug 2010 6:34

Sample Name : Submitted by :

Vial Number

: DXF : 60 n: DRUGS.M

AcquisitionMeth: DRUGS.M Integrator : RTE

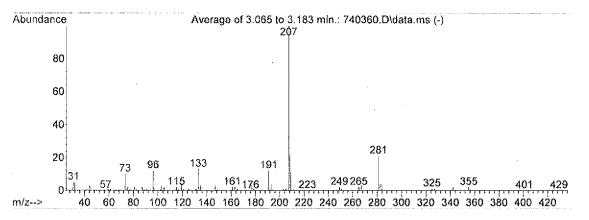
Search Libraries: C:\Database\SLI.L

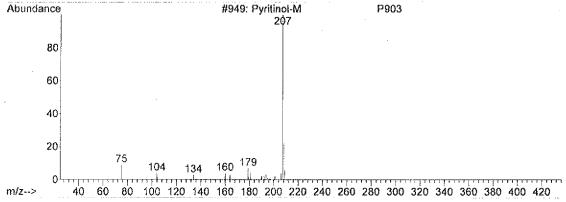
Minimum Quality: 80 Minimum Quality: 80

C:\Database\NIST08.L

C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
3	3.17	C:\Database\PMW_TOX2.L Pyritinol-M GC stationary phase (UCC-W-982) GC stationary phase	000000-00-0 000000-00-0 000000-00-0	47 28 10





File Name : C:\msdchem\1\data\SYSTEM6\08 27 10\740360.D

Operator : ASD

Date Acquired : 28 Aug 2010 6:34

Sample Name : Submitted by :

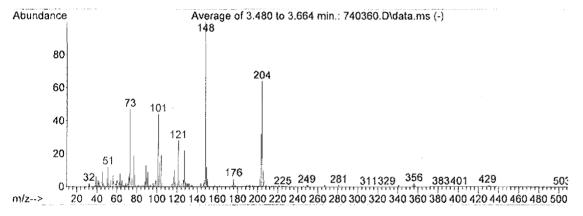
Submitted by : DXF
Vial Number : 60
AcquisitionMeth: DRUGS.M
Integrator : RTE

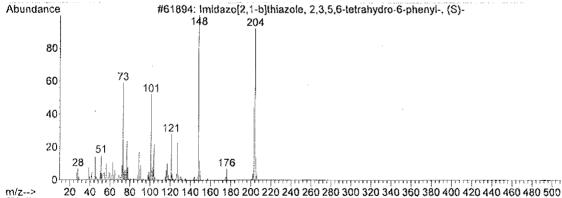
Search Libraries: C:\Database\SLI.L Minimum Quality: 80

C:\Database\NIST08.L Minimum Quality: 80

C:\Database\PMW_TOX2.L

PK#	RT	Library/ID		CAS#	Qual
4	3.51	C:\Database\NIST08.L Imidazo[2,1-b]thiazole, Levamisole Levamisole	2,3,5,6-tet	014769-73-4 006649-23-6 006649-23-6	99 99 98





File Name : C:\msdchem\1\data\SYSTEM6\08 27 10\740360.D

Operator : ASD

Date Acquired : 28 Aug 2010 6:34

Sample Name

26 Aug 201

Submitted by : DXF Vial Number : 60 AcquisitionMeth: DRUGS.M

AcquisitionMeth: DRUGS Integrator : RTE

Search Libraries: C:\Database\SLI.L

Minimum Quality: 80

C:\Database\NIST08.L

Minimum Quality: 80

C:\Database\PMW_TOX2.L

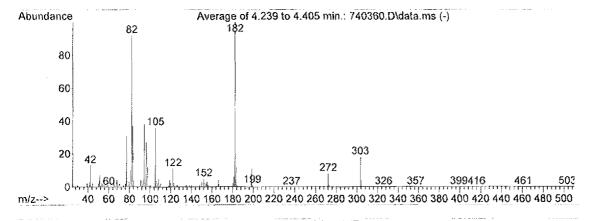
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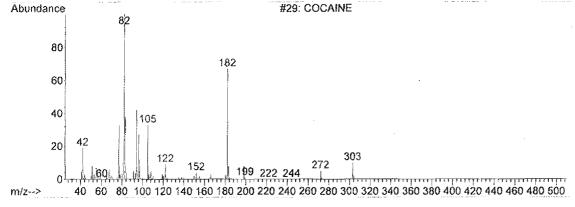
CAS# Qual

5 4.28 C:\Database\SLI.L

COCAINE

000050-36-2 99





学が、 はは経過できるとははないというなどのではないのであるが、これではないできるというできるというないできるというないできることがある。

File Name : C:\msdchem\1\data\SYSTEM6\08_27_10\740362.D

: ASD Operator

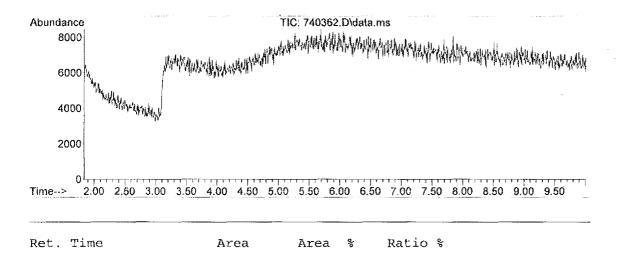
Date Acquired : 28 Aug 2010 7:00

Sample Name : BLANK

Submitted by

Vial Number 2 AcquisitionMeth: DRUGS.M

Integrator : RTE



NO INTEGRATED PEAKS

File Name : C:\msdchem\1\data\SYSTEM6\08_27_10\740363.D

7:12

Operator

: ASD

Date Acquired

: 28 Aug 2010

Sample Name

: COCAINE STD

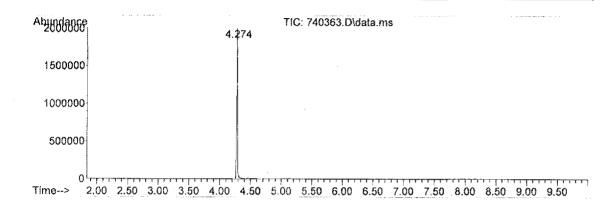
Submitted by

Vial Number AcquisitionMeth: DRUGS.M

51

Integrator

: RTE



Ret. Time	Area	Area %	Ratio %
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: C:\msdchem\1\data\SYSTEM6\08 27_10\740363.D File Name

Operator : ASD

Date Acquired : 28 Aug 2010 7:12

Sample Name : COCAINE STD

Submitted by

RT

4.27

PK#

1

Vial Number 51 AcquisitionMeth: DRUGS.M Integrator : RTE

Search Libraries: C:\Database\SLI.L

Library/ID

Minimum Quality: 80 Minimum Quality: 80

CAS#

Oual

C:\Database\NIST08.L

C:\Database\PMW TOX2.L

C:\Database\SLI.L COCAINE 000050-36-2 99

